

HiTemp 160 - Typical Properties

October 2022

		METRIC	IMPERIAL
Density (Specific Gravity)		1.24	
Melting point		280°C	536°F
Hardness - Shore D (D2240)		79	
Compressive Properties (D695)	Ultimate compressive strength	73 MPa	10,600 psi
	Compressive strength@yield	42 MPa	6,100 psi
	Modulus of elasticity	1.4 GPa	203,000 psi
Design loading		15 MPa	2,200 psi
Water absorption - Mass change (D570)	After 24 hours	0.09%	
Poisson's Ratio		0.38	
Thermal conductivity		0.3 W/m.K	2 Btu-in/ft ² .hr.°F
Coefficient of linear thermal expansion		1.0 x 10 ⁻⁴ mm/mm/°C	5.6 x 10 ⁻⁵ in/in/°F
Dynamic friction coefficient on polished steel (no lubrication)		0.12	
Chemical resistance		Excellent. Resistant to a wide range of chemicals including acids, alkalis, hot water and steam.	

The above data should be taken for indicative purposes. Physical properties may be altered to some extent by processing conditions.